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ENVIRONMENTAL HEALTH

**OPERATING PERMIT FOR FACILITIES  
RECEIVING SOLID WASTE**

TYPE OF FACILITY

Sanitary Landfill

PERMIT NUMBER

39-AA-0022

NAME AND STREET ADDRESS OF FACILITY

North County Landfill  
17900 E. Harney Lane  
Lodi, California

NAME AND MAILING ADDRESS OF OPERATOR

San Joaquin County  
Department of Public Works  
P.O. Box 1810  
Stockton, CA 95202

PERMITTING ENFORCEMENT AGENCY

San Joaquin County Public Health Ser.  
Environmental Health Division

CITY/COUNTY

San Joaquin County

# PERMIT

This permit is granted solely to the operator named above, and is not transferrable.

Upon a change of operator, this permit is subject to revocation.

Upon a significant change in design or operation from that described by the Plan of Operation or the Report of Station or Disposal Site Information, this permit is subject to revocation, suspension, or modification.

This permit does not authorize the operation of any facility contrary to the State Minimum Standards for Solid Waste Handling and Disposal.

This permit cannot be considered as permission to violate existing laws, ordinances, regulations, or statutes of other government agencies.

The attached permit findings, conditions, prohibitions, and requirements are by this reference incorporated herein and made a part of this permit.

APPROVED:

APPROVING OFFICER

Ron Valinoti, Director  
Environmental Health Division

NAME/TITLE

AGENCY ADDRESS

San Joaquin County  
Environmental Health Division  
445 N. San Joaquin Street  
Stockton, CA 95202

AGENCY USE/COMMENTS

SEAL

PERMIT RECEIVED BY CWMB

FEB 08 1993

CWMB CONCURRENCE DATE

APR 15 1993

PERMIT REVIEW DUE DATE

OCT. 15, 1997

PERMIT ISSUED DATE

APR. 15, 1993

DEC. 15, 2002

APR. 15, 2003

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# PUBLIC HEALTH SERVICES

SAN JOAQUIN COUNTY

JOGI KHANNA M.D., M.P.H.  
Health Officer

P.O. Box 2009 • (1601 East Hazelton Avenue) • Stockton, California 95201  
(209) 468-3400



Re: FINAL PERMIT - North County Sanitary Landfill #39-AA-022, San Joaquin County

## Findings

1. A. The North County Sanitary Landfill (NCSL) 17900 E. Harney Lane, Lodi is owned by the County of San Joaquin and operated by San Joaquin County Department of Public Works.
- B. NCSL is class III landfill. NCSL is located at 38° 06' latitude, 121° 04' longitude in the eastern half of Section 21, T3N R8E Linden, California, U.S. Geological Survey topographic quadrangle. The Facility is a 320 acre site of which 185.4 acres will be utilized for landfilling. (see Appendix A).
- C. The facility has a gate house and truck weigh scale. An office and maintenance building with sanitary facilities, parking for landfill personnel and visitors is included in the entrance area. It also has a covered recycling center building with a tipping area. A permanent berm, set back 100 feet from the property line, has been constructed around the landfill perimeter.
- D. TYPES OF WASTE RECEIVED:
  - a. Residential Refuse
  - b. Commercial/Industrial Waste
  - c. Garden Refuse
  - d. Wood Waste
  - e. Metals
  - f. Paper Products
  - g. Glass
  - h. Tires
  - i. Plastic
  - j. Agricultural Wastes
  - k. Construction/Demolition
  - l. Household Hazardous Waste
- E. The daily peak tonnage is 825 tons per day. This tonnage figure is



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based upon an annual increase of 3%. The estimated amount of annual waste received is projected to be 135,568 tons. The conversion factor from tons to gate cubic yards is .175 tons per cubic yard.

- F. The landfill will be constructed by the ramp-area method. The site will be divided into modules to facilitate efficient excavation, access, and drainage. Landfill operations will proceed in numerical order by module. Excavation will proceed one module ahead of refuse fill. There are a total of 11 modules.

Refuse fill will be placed in lifts 6 to 10 feet thick, with perimeter slopes vertical to horizontal ratio of 3:1 or less. Refuse will be spread and compacted in layers 2 feet thick on a sloped working face. Large or bulky wastes will be separated to prevent bridging of the surrounding refuse, placed in the lower portion of the advancing lift, and crushed by compacting equipment. An all weather road will be constructed from the access road across the surface at the existing refuse fill to the active working face. Temporary berms will be constructed where needed to intercept and divert surface runoff water away from the active working face.

- G. Vehicles that contain recyclable waste will proceed to the Recycling Center Building. Both public and commercial waste are dumped onto a common tipping floor where waste material is manually or mechanically sorted out. Recyclable materials are separated, consolidated, and placed in bins. When the bins are full, they are transported to market.

The Household Hazardous Waste (HHW) recycling program will utilize an area within the Recycling Center Building to collect four specific wastes: used motor oil, used antifreeze, used batteries, and paint. These recyclable HHW will be dropped off in the public tipping area and placed in appropriate receptacles. Workers will bulk the used oils and antifreeze into double-walled, above-ground collection tanks for periodic collection. Used batteries will be collected on pallets with spillage containment trays. A local battery company will pickup the batteries on a regular basis. Periodically, collected paint will be bulked into 55-gallon drums and then be transported to a paint manufacturer.

Household Hazardous Wastes shall be handled in a manner approved by the LEA and the CIWMB.

- H. The waste load checking program should consist of the following activities: inspection of random in-coming loads; regular visual inspection of the wastes deposited at the facility; training of facility personnel in hazardous waste recognition and proper hazardous waste handling procedures; reporting incidents of unlawful disposal to specific agencies.

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Tom Horton, Solid Waste Manager and Gabriel Karam, Senior Solid Waste Engineer, can be contacted at (209) 468-3000 for emergencies and hazardous waste inquiries.

Additional measures may be required upon the request of the LEA or the Board.

I. Anticipated changes in design and operation in the next 5 years are:

A. The introduction of new recycling methods and programs.

J. Operating Hours:

7:00 a.m. - 5:00 p.m. - Daily

Operations conducted during the hours of darkness require adequate lighting as approved by the LEA.

The service life expectancy is 42 years. The estimated closure date is 2035.

2. The following documents describe and condition the design and operation of the facility.

A. San Joaquin County Land Use Permit No. UP-89-2 dated June , 1989.

B. PG & E easement document dated December 1951.

C. Regional Water Quality Control Boards's Waste Discharge Requirements - Order 91-021 dated January, 1991.

D. Final Environmental Impact Report dated March, 1989, SCH 88060714 and the Addendum to the Final EIR dated October, 1990. The Mitigated Negative Decarlation dated October, 1992, SCH 92082082.

F. Report of Disposal Site Information dated July, 1989, and Amendment to the Report of Disposal Site Information dated October, 1990.

G. U. S. Army Corps of Engineers Nationwide Permit #26 dated June 26, 1990.

H. Report of Waste Discharge dated July, 1989.

I. Wetlands Mitigation Plan dated May, 1990.

J. Mitigation Monitoring Plans dated October, 1990 and October 27, 1992.

- K. Agreement regarding proposed stream and lake alteration from the State Department of Fish and Game dated September 10, 1990.
  - L. Household Hazardous Waste Plan dated August, 1992 and the Operations Plan for the North County Recycling Center dated January, 1992.
  - M. San Joaquin County Air Pollution permit #89-468 dated July 31, 1990.
3. San Joaquin County, Public Health Services, Division of Environmental Health has made the following findings in accordance with Public Resources Code 50000 and 50000.5:
- A. San Joaquin County Planning Department has made a determination the NCSL is consistent with the County General Plan. The zoning designation was approved on August 10, 1989 and lists this as a compatible use.
  - B. This facility is consistent with County Solid Waste Management Plan dated March, 1986.
4. The design and operation of the facility is in compliance with state minimum standards for solid waste handling and disposal as determined by the LEA on December 22, 1992.
5. The facility shall be in compliance with flammable clearance provisions as required by Linden-Peters Fire District.
6. The Notice of Determination for this permit shall be subject to all applicable mitigation measures which are identified in the land use conditions of approval #UP89-2 as adopted by the San Joaquin County Planning Department. This complies with Sections 21108 and/or 21152 of the Public Resources Code (CEQA). The Final EIR (SCH 88060714) was adopted by San Joaquin County on August 10, 1989. The Mitigated Negative Declaration (SCH92082082) was adopted by San Joaquin County on October 31, 1992.

**CONDITIONS REQUIREMENTS**

- 1. This facility must comply with all state minimum standards for solid waste handling and disposal.
- 2. This facility must comply with all federal, state, and local requirements and enactments, including all mitigation measures given in any certified environmental document filed pursuant to the Public Resources Code, Section 21081.6.

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2. Submit tonnage records of wastes received on a monthly basis to the LEA.
3. Quantities and types of materials recycled and/or salvaged shall be reported to the LEA on an annual basis.
4. A log of special occurrences, i.e., fires, explosions, accidents, hazardous wastes, etc., shall be maintained and reported to the LEA on an annual basis and no later than December 31 of each year.
5. Any other information concerning the landfill must be provided to the LEA upon request.

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3. The San Joaquin County Public Health Services reserves the right to require additional information concerning this facility.
4. The local enforcement agency at its discretion may require a landfill gas monitoring program and a landfill gas control system.
5. The operator shall maintain a copy of the permit at the facility to be available at all times for facility personnel and enforcement agency personnel.

**PROHIBITIONS**

The following actions are prohibited at the facility:

- a. Disposal of hazardous wastes.
- b. Disposal of designated wastes.
- c. Disposal of medical wastes.
- d. Disposal of cannery wastes.
- e. Disposal of sludge and septic tank pumpings.
- f. Disposal of large dead animals.
- g. Disposal of liquids/slurries.
- h. Open burning.
- i. Scavenging.
- j. Standing water on covered fills.
- k. Disposal of wastes beyond the handling capacity of the facility or acceptance of any other waste for which this facility is not permitted to handle is prohibited.

**SPECIFICATIONS**

1. The local enforcement agency through this permit may prohibit or condition the handling or disposal of solid wastes in order to protect the public health and safety, protect, rehabilitate, or enhance the environment. or to mitigate adverse environmental impacts.
2. Any change that would cause the design and operation of the facility not to conform to the terms and conditions of the permit may be considered a significant change and require a permit revision.
3. This facility has a permitted capacity of 825 tons per day. NCSL shall not receive any more than this amount without first obtaining a permit revision.
4. A change in operator will require a new solid waste facilities permit.
5. Existing wells which are to remain on the site shall be inspected by the County Public Health Services and shall be brought into compliance with surface sealing and casing height requirement as outlined by the Rules and Regulations

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of San Joaquin County Ordinance No. 1862.

6. The existing underground irrigation system shall be removed according to the amended RDSI, Appendix D dated October, 1990.
7. All abandoned wells must be destroyed with a cement sandy slurry to the bottom of well. All abandoned septic tanks must be destroyed. All abandonments must be completed under San Joaquin County Public Health Services permits.

#### **PROVISIONS**

1. The permit is subject to review by the Local Enforcement Agency, and may be modified, suspended, or revoked, for sufficient cause after a hearing.
2. The use of 60 mil high density polyethylene (HDPE) liner as described in the existing Waste Discharge Requirements #91-021 dated January, 1991 has been approved by the Regional Water Quality Control Board, the Local Enforcement Agency, and the California Integrated Waste Management Board. The liner shall consist of 6 inches of compacted soil overlain by HDPE synthetic liner.
3. Each waste module shall have a dendritic leachate collection and removal system directly over the HDPE synthetic liner.
4. NCSL shall comply with the monitoring and reporting program of the California Regional Water Quality Control Board.

#### **CLOSURE & POSTCLOSURE MAINTENANCE**

1. All documentation relating to the preparation of the closure and postclosure maintenance costs shall be retained by the operator and shall be available for inspection by the LEA or the CIWMB.
2. The preliminary closure and postclosure plans were approved by CIWMB on October 31, 1991 No. 91-39.
3. The Final closure and postclosure plans must be submitted to the LEA, Regional Water Quality Control Board, and the CIWMB two years prior to closure of the landfill.

#### **SELF - MONITORING**

1. Environmental measurements of water quality, leachate, and gas shall be reported to LEA on a annual basis.